

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 11, line 14, of the original Application with the following paragraph:

“The circuit 300 further maintains the voltage on the first capacitor 304 of the CP 350 by using the characteristics of the correction circuit 352. The first capacitor 304 has a first area (A) and a first capacitance (C) associated with it. The second capacitor 316 is a replica of the first capacitor 304 with a second area (A/N) and a second capacitance (C/N), where N is a scaling factor. The width (W) and length (L) of the current mirror ~~350~~ 318 is varied such that the voltage across the second capacitor 316 is substantially equal to the voltage across the first capacitor 304. Accordingly, the voltage across transistor 318 is insignificant compared to the voltage across second capacitor 316, such that the voltage across second capacitor 316 is substantially equal to the voltage across first capacitor 304. Therefore, since the voltage across the second capacitor 316 is substantially equal to the voltage across the first capacitor 304 and since the area of the second capacitor 316 is decreased by a factor of N, then the charge leakage represented by the second leakage current source ~~316~~ 344 is also decreased by a factor of N (I_{leak}/N).”